

REMARKS

Status of Claims:

Claims 1-13 remain cancelled. Thus, claims 14-27 are present for examination.

Allowable Subject Matter:

Applicant expresses appreciation to the Examiner for the indication that claims 18 and 24 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 18 has been rewritten in independent form including all of the limitations of the previously pending base claim and previously pending intervening claims. Therefore, independent claim 18 is believed to be allowable. Because it depends from independent claim 18, dependent claim 19 is believed to be allowable for at least the same reasons that independent claim 18 is believed to be allowable.

Claim 24 has been rewritten in independent form including all of the limitations of the previously pending base claim and previously pending intervening claims. Therefore, independent claim 24 is believed to be allowable. Because it depends from independent claim 24, dependent claim 25 is believed to be allowable for at least the same reasons that independent claim 24 is believed to be allowable.

Claim Rejection under 35 U.S.C. 102:

Claims 14-17, 20-23, 26, and 27 are rejected under 35 U.S.C. 102(b) as being anticipated by Crosbie (U.S. Patent App. Pub. No. 2002/0035699).

With respect to claims 14-17, 20-23, 26, and 27, as amended, the rejection is respectfully traversed.

Independent claim 14, as amended, recites a wireless access system, comprising:

“a gateway for receiving a wireless control signal, a **destination** of the wireless control signal corresponding to external equipment located beyond

the gateway such that the wireless control signal is to be transmitted to the external equipment located beyond the gateway;

a wireless base station for transferring the wireless control signal to the gateway;

a mobile terminal for transmitting the wireless control signal to the wireless base station; and

an access network control station for determining whether or not the mobile terminal is allowed to communicate with the external equipment;

wherein the gateway is configured to **change the destination of the wireless control signal** so as to transfer the wireless control signal to the access network control station in a case where the gateway has determined that the mobile terminal has not been allowed to communicate with the external equipment by the access network control station;

wherein the access network control station is configured to instruct the gateway to allow the mobile terminal to communicate with the external equipment in a case where the access network control station has determined that the mobile terminal is allowed to communicate with the external equipment; and

wherein the gateway is configured to transfer the wireless control signal **to the external equipment in accordance with the destination of the wireless control signal** in a case where the gateway has determined that the mobile terminal has been allowed to communicate with the external equipment by the access network control station.” (Emphasis Added).

A wireless access system including the above-quoted features has at least the advantages that: (i) a gateway allows for receiving a wireless control signal, where a **destination** of the wireless control signal corresponds to external equipment located beyond the gateway such that the wireless control signal is to be transmitted to the external equipment located beyond the gateway; (ii) a mobile terminal allows for transmitting the wireless control signal to a wireless base station; (iii) the gateway is configured to **change the destination of the wireless control signal** so as to transfer the wireless control signal to an access network control station in a case where the gateway has determined that the mobile terminal has not been allowed to communicate with the external equipment by the access network control station; and (iv) the gateway is configured to transfer the wireless control signal to the external equipment **in accordance with the destination of the wireless control signal** in a

case where the gateway has determined that the mobile terminal has been allowed to communicate with the external equipment by the access network control station. (Specification; page 11, lines 1-17; page 11, line 27 to page 12, line 20; page 16, lines 8-21; abstract; Figs. 1, 2, 3, and 4).

Crosbie neither discloses nor suggests a wireless access system including the above-quoted features in which a gateway allows for receiving a wireless control signal, where a destination of the wireless control signal corresponds to external equipment located beyond the gateway, and where the gateway is configured to change the destination of the wireless control signal so as to transfer the wireless control signal to an access network control station in a case where the gateway has determined that a mobile terminal that transmitted the wireless control signal has not been allowed to communicate with the external equipment by the access network control station.

The Examiner points to: (a) the gateway server 22 of the system of Crosbie as being a gateway; (b) the LAN access point (LAP) 24 of the system of Crosbie as being a wireless base station; (c) the resources 44-1 and 44-2 of the system of Crosbie as being external equipment located beyond the gateway; (d) the mobile devices 28-1 to 28-3 of the system of Crosbie as being mobile terminals; and (e) the device database 72 of the gateway server 22 of the system of Crosbie as being an access network control station. (Office Action; pages 2-3).

However, the gateway server 22 in the system of Crosbie never changes a destination of a wireless control signal from the destination being the resource 44-1 or 44-2 to the destination being the device database 72. (Crosbie; Figs. 1 and 4; paragraph 0040). Instead, in the system of Crosbie, when a mobile device 28 wants to access a resource 44, the mobile device 28 first sends a request to access the resource to the gateway server 22. (Crosbie; Figs. 1 and 4; paragraphs 0040, 0046, 0052, and 0056). It is important to note that a request to access a resource in the system of Crosbie is not a signal with a destination specified as the resource 44. (Crosbie; Fig. 4; paragraphs 0040, 0046, and 0052). Rather, a request to access a resource in the system of Crosbie is sent from the mobile device 28 to the LAP 24, which then passes on the request (as an authentication request) to the gateway server

22, where the gateway server 22 is the intended destination of the authentication request. (Crosbie; Fig. 4; paragraphs 0040, 0046, and 0052).

When the gateway server 22 receives an authentication request 84 from a mobile device 28 in the system of Crosbie, the gateway server 22 may look up context information 56 in the device database 72 to locate an IP address associated with the mobile device. (Crosbie; Fig. 4; paragraph 0053). However, it is important to note that the gateway server 22 in the system of Crosbie **does not change a destination** of the authentication request 84, because the destination of the authentication request 84 is the gateway server 22. (Crosbie; Fig. 4; paragraphs 0040, 0046, and 0052). Thus, the gateway server 22 of the system of Crosbie cannot be considered as a gateway of the present claim.

Therefore, independent claim 14, as amended, is neither disclosed nor suggested by the Crosbie reference and, hence, is believed to be allowable.

Independent claim 20, as amended, recites a wireless access control method with features similar to features of a wireless access system of independent claim 14 and, thus, is believed to be allowable for at least the same reasons that independent claim 14 is believed to be allowable.

Independent claim 26, as amended, recites a wireless access control method with features similar to features of a wireless access system of independent claim 14 and, thus, is believed to be allowable for at least the same reasons that independent claim 14 is believed to be allowable.

Independent claim 27, as amended, recites a wireless access control method with features similar to features of a wireless access system of independent claim 14 and, thus, is believed to be allowable for at least the same reasons that independent claim 14 is believed to be allowable.

The dependent claims are deemed allowable for at least the same reasons indicated above with regard to the independent claims from which they depend.

Conclusion:

Applicant believes that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check or credit card payment form being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

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